

### **DECLARATION AND PETITION**

As below named inventors, We hereby declare that:

Our residence, post office address and citizenship are as stated below next to our names.

We believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled PARTIALLY REAL AND PARTIALLY SIMULATED MODULAR INTERACTIVE ENVIRONMENT the specification of which was filed as U.S. Patent Application Serial No. 10/647,932 on August 26, 2003.

We hereby state that we have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 C.F.R. § 1.56(a).

We hereby claim foreign priority benefits under 35 U.S.C. § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application of which priority is claimed.

## PRIOR FOREIGN APPLICATION(S)

Number NONE Country

Filing Date

**Priority Claimed?** 

#### PRIOR UNITED STATES PROVISIONAL APPLICATION

We hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Application Serial No. 60/406,281

Filing Date
August 27, 2002

**Status** Provisional

# PRIOR UNITED STATES APPLICATION(S)

We hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, we acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

**Application Serial No.** 

Filing Date

Status

NONE

We hereby declare: All statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true. These statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Wherefore we pray that Letters Patent be granted to us for the invention or discovery described and claimed in the foregoing specification and claims, and we hereby subscribe our names to the foregoing specification and claims, and this declaration and petition.

Full name of first inv	ntor: Jackson Jarrell Pair	
Inventor's signature_	Joseph Janel Par Date 8 JAN 21	00
Residence: 1406	Joseph Janell Par Date 8 JAN 20 Labordon Way # 202 Marina Date	R
Citizenship:	USA	
Post Office Address	14006 Palawar Way # 202	
	14006 Palawar Way # 202 Marina Del Rex, CA 90)	19
	nventor: Ulrich Neumann	
Inventor's signature_	Date	
Residence:	Manhattan Beach, CA	
Citizenship:	United States of America	
Post Office Address	526 21st Street Manhattan Beach, CA 90266	
	entor: William R. Swartout	
Inventor's signature_	1 Self Calub Date 12/19/2003	3
Residence:	105 FERNHILL DR.	
Citizenship:	15A	
	MAZIBU, CA 90265	
	MAZIBU, CA 90265	
Full name of first inv	ntor: Richard D. Lindheim	
Inventor's signature_	Date 12/14/03	
Residence: 166	No CARTON RO FLORE	
Citizenship:		
Post Office Address	BOVERLY HILL CA 90211-211	
	BOVERLY HILLCA 90211-2111	

10/647,932 28080-109

Wherefore we pray that Letters Patent be granted to us for the invention or discovery described and claimed in the foregoing specification and claims, and we hereby subscribe our names to the foregoing specification and claims, and this declaration and petition.

Full name of first inventor: Jackson Jarrell Pair

Inventor's signature_		Date
Citizenship:		
Full name of second	inventor: Ulrich Neumann	
Inventor's signature_	uchich leman	Date 12/15/03
Residence:	Manhattan Beach, CA	
Citizenship:	United States of America	
Post Office Address	526 21st Street Manhattan Beach, CA 90266	
Full name of third inv	ventor: William R. Swartout	
Inventor's signature_		Date
Residence:		
Citizenship:		
Post Office Address		
Evil name of frat inv	entor: Richard D. Lindheim	
		_
-		
Residence:		
Citizenship:		
Post Office Address		

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PTO/SB/81 (02-01)

Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Onder the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it display a valid OMB control number.

Application Number 10/647,932

# **POWER OF ATTORNEY OR AUTHORIZATION OF AGENT**

Application Number	10/647,932
Filing Date	August 26, 2003
First Named Inventor	PAIR, Jackson Jarrell et al.
Title	PARTIALLY REAL AND PARTIALLY SMULATED MODULAR INTERACTIVE ENVI
Group Art Unit	Not known
Examiner Name	Not known
Attorney Docket Number	028080-0109

I hereby appoint:		
Practitioners  OR	s at Customer Number 33401	Place Customer Number Bar Code Label here
	s) named below:	
	Name	Registration Number
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	(s) or agent(s) to prosecute the application idea ted States Patent and Trademark Office conne	
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I am the:		
Applicant/Inventor.		
Assignee of record of the entire interest. See 37 CFR 3.71.		
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).		
SIGNATURE of Applicant or Assignee of Record		
Dennis J. Dougherty, Senior Vice-President of Administration, USC		
Signature	Drums of Despubly	
Date	11114	
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.		
"Total of	forms are submitted.	

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)		
Applicant/Patent Owner:Jackson Jarrell PAIR	et al.	
Application No./Patent No.: 10/647,932	Filed/Issue Date: August 26, 2003	
	LATED MODULAR INTERACTIVE ENVIRONMENT	
University of Southern California _, a Nor	profit corporation,	
(Name of Assignee) (Type of	Assignee, e.g., corporation, partnership, university, government agency, etc.)	
ad a day of the day		
states that it is:	at or	
<ol> <li>the assignee of the entire right, title, and interest; or</li> <li>an assignee of less than the entire right, title and interest.</li> </ol>		
The extent (by, percentage) of its ownership in	terest is%	
in the patent application/patent identified above by vi	rtue of either:	
A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.		
OR		
B. A chain of title from the inventor(s), of the pate assignee as shown below:	ent application/patent identified above, to the current	
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### **ASSIGNMENT**

(Joint Inventors)

WHEREAS, We, Jackson Jarrell Pair, Ulrich Neumann, William R. Swartout and Richard D. Lindheim ("ASSIGNORS") have invented "Partially Real and Partially Simulated Modular Interactive Environment" ("Invention") for which We have filed an application for a patent ("Application") in the United States, Application Serial No. 10/647,932, filed August 26, 2003;

WHEREAS, We are the joint inventors of the Invention;

WHEREAS, University of Southern California, ("ASSIGNEE") is a corporation organized and existing under the laws of California, having a place of business at Office of Technology Licensing, 3716 South Hope Street, Suite 313, Los Angeles, CA 90007-4344.

WHEREAS, ASSIGNEE desires to acquire the entire right, title and interest in and to the Invention and Application and to all patents based on the Application;

NOW, THEREFORE, for valuable consideration, the receipt and legal sufficiency of which ASSIGNORS acknowledge, ASSIGNORS have and hereby do assign and transfer to ASSIGNEE, its successors and assigns, the entire right, title and interest in and to:

- 1. The Invention;
- 2. The Application;
- 3. All applications based on or claiming priority from the Application, including all divisionals and continuations ("Application Family");
- 4. All patents which may be granted on the Invention, Application and Application Family by the United States of America, its territories and possessions, and by all foreign countries, including all priority rights and all reissues thereof ("Patents"); and
- 5. The right to sue for past infringement of the Invention, Application, Family and Patents.

ASSIGNORS agree, at the request of ASSIGNEE, to sign any and all papers reasonably needed to file and prosecute the Application and Application Family, to obtain the Patents, and to perfect and vest in ASSIGNEE the entire right, title and interest in the Invention, Application, Application Family and Patents. ASSIGNORS also agree to provide assistance that is reasonably needed to prepare and prosecute the Application and Application Family.

ASSIGNORS authorize and empower ASSIGNEE, its successors and assigns, to apply for and obtain, in its own name, the Application, Application Family and Patents before competent International Authorities, including the World Intellectual Property Organization and in any and all foreign countries in which applications for patents can be made or patents obtained.

Dated: 8 JAN , 20084

Name: Jackson Jarrell Pair

	Address: 1406 f	Palawa	<u> </u>	4
	Morina	ver rey		902
STATE OF California )				
COUNTY OF LOS Angeles ss.  On Lan. 08, 2008 before KARA  Pair, personally known to me or pro	// .			
On Jan. 08, 2002 before KAR	EN HOPKINSpers	onally appeared	l Jackson	Jarrell
Pair, personally known to me or pro	ved to me on the bas	is of satisfactory	y evidenc	e) to be
the person(s) whose name(s) is/are subscrib that he/ske/they executed the same in	bed to the within instr his/her/therr authoris	rument and ackr zed capacity(ie	s), and	that by
his/her/their signature(x) on the instrument,	the person(x), or the	entity upon bel	nalf of wh	hich the
person(x) acted, executed the instrument.				
WITNESS my hand and official seal.			KAREN HOPK	
Notary Public	(SEAL)	(I) REPORT NOT	Comm. # 1391 Fary Public - Cai Los Angeles Cot Jomm. Expires Dec	LIFORNIA VI
Notary Public / /		My C	omm. Expires Dec	21, 2006
Dated:, 2003				<del></del>
	Name: Ulrich Neun Address:			
STATE OF California )				
) ss. COUNTY OF)				
	nero	conally ann	eared	Ulrich
On, 2003 before Neumann, personally known to me or [	proved to me on the	he basis of satis	factory ev	vidence)
to be the person(s) whose name(s) is/are so to me that he/she/they executed the same	ubscribed to the with	in instrument a	nd acknov	wledged
his/her/their signature(s) on the instrument	, the person(s), or the	e entity upon be	half of w	hich the
person(s) acted, executed the instrument.				
WITNESS my hand and official seal.				
	(SEAL)			
Notary Public		A		
Dated: $\frac{12/19}{}$ , 2003	Walle P.	Swartout		
	Name: William R. Address: 7105  whileu,	EGRNALL	- DR	<u> </u>
	MALIBU,	CA 9026	5	

STATE OF California )
COUNTY OF Los Angeles) ss.
On
WITNESS my hand and official seal.    Agreer   Agree   Agree   Agree
Dated: DEC 16, 2003  Name: Richard D. Lindheim  Address: 166 No. (AND Ro  Povency HULLA 9021
STATE OF California )
COUNTY OF Los Angeles) ss.  On Dec. 16, , 2003 before KAREN HOPKINS personally appeared Richard D.
On <u>lc. 16</u> , 2003 before <u>KAREN HOPKINS</u> personally appeared Richard D. Lindheim, personally known to me or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is are subscribed to the within instrument and acknowledged to me that he she they executed the same in his her/their authorized capacity(ies), and that by his her/their signature(s) on the instrument, the person(s), or the entity upon behalf of which the
person(s) acted, executed the instrument.
WITNESS my hand and official seal.  Comm. # 1391235 NOTARY PUBLIC - CALIFORNIA Los Angeles County My Comm. Expires Dec. 21, 2006

#### **ASSIGNMENT**

(Joint Inventors)

WHEREAS, We, Jackson Jarrell Pair, Ulrich Neumann, William R. Swartout and Richard D. Lindheim ("ASSIGNORS") have invented "Partially Real and Partially Simulated Modular Interactive Environment" ("Invention") for which We have filed an application for a patent ("Application") in the United States, Application Serial No. 10/647,932, filed August 26, 2003;

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- 1. The Invention;
- 2. The Application;
- 3. All applications based on or claiming priority from the Application, including all divisionals and continuations ("Application Family");
- 4. All patents which may be granted on the Invention, Application and Application Family by the United States of America, its territories and possessions, and by all foreign countries, including all priority rights and all reissues thereof ("Patents"); and
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ASSIGNORS authorize and empower ASSIGNEE, its successors and assigns, to apply for and obtain, in its own name, the Application, Application Family and Patents before competent International Authorities, including the World Intellectual Property Organization and in any and all foreign countries in which applications for patents can be made or patents obtained.

Dated:, 2003	
	Name: Jackson Jarrell Pair

A	Address:
STATE OF California ) ) ss. COUNTY OF)	,
Pair, personally known to me or prove the person(s) whose name(s) is/are subscribed that he/she/they executed the same in his	personally appeared Jackson Jarrell d to me on the basis of satisfactory evidence) to be to the within instrument and acknowledged to me s/her/their authorized capacity(ies), and that by the person(s), or the entity upon behalf of which the
WITNESS my hand and official seal.	
Notary Public	(SEAL)
_	Vame: Ulrich Neumann Address: 526 a 1 st Street Manhatton Bead CA 90266
STATE OF California ) ss.	ì
COUNTY OF Los Arreios	
to be the person(3) whose name(3) is/ar substome that he/sye/they executed the same in his/hyr/thyr signature(3) on the instrument, the person(3) acted, executed the instrument.	personally appeared Ulrich proved to me on the basis of satisfactory evidence) scribed to the within instrument and acknowledged his/h(r/their authorized capacity(ies), and that by ne person(s), or the entity upon behalf of which the
WITNESS my hand and official seal.  Notary Public	Commission # 1321019 Notary Public - California Los Angeles County My Comm. Expires Sep 16, 2005
	Name: William R. Swartout Address:
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STATE OF California )	
COUNTY OF) ss.	
to be the person(s) whose name(s) is/are to me that he/she/they executed the san	personally appeared William proved to me on the basis of satisfactory evidence) subscribed to the within instrument and acknowledged ne in his/her/their authorized capacity(ies), and that by int, the person(s), or the entity upon behalf of which the
WITNESS my hand and official seal.	
Notary Public	(SEAL)
Dated:, 2003	Name: Richard D. Lindheim Address:
STATE OF California ) ) ss.	
Lindheim, personally known to me o to be the person(s) whose name(s) is/are to me that he/she/they executed the san	personally appeared Richard D.  r proved to me on the basis of satisfactory evidence) subscribed to the within instrument and acknowledged ne in his/her/their authorized capacity(ies), and that by ent, the person(s), or the entity upon behalf of which the
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Notary Public	(SEAL)